

**Tetra Tech, Inc.**

4213 State Street, Suite 100
 Santa Barbara, CA 93110-2847
 VOICE (805) 681-3100 FAX (805) 681-3108

Project: **Vandenberg Air Force Base IRP**Log of Well No. **31-MW-12**Location: **Approximately 240 feet east of Building 1892 and north of Pike Road.**

Date Started: 4/24/01 Completed: 4/24/01

Logged By: J. Harting Checked By: J. Harting, P.E.

Drilled By: Tetra Tech, Inc. *J. Harting, P.E. #58000*

Drilling Equipment: 3.5-inch dia. Hand Auger

Sampling Equipment: N/A

GS Elev.: 173.7 ft above MSL TD: 12 ft bgs

2" PVC Blank Casing: from 0 ft bgs to 3.5 ft bgs

0.01" Screening Casing: from 3.5 ft bgs to 8.5 ft bgs

Concrete: from 0 ft bgs to 1 ft bgs

Bentonite Transitional Seal: from 1 ft bgs to 2 ft bgs

2/12 Sand Filter Pack: from 2 ft bgs to 12 ft bgs

TOC Elev.: 175.30 ft above MSL

Depth (ft bgs)	MATERIAL DESCRIPTION	Material Symbol	Material Type	Well Construction	Sample	Blow Counts per 6"	Percent Recovery	PID (ppm) Amb/Smp	REMARKS
5	<p><u>sand</u>, dark brown (10YR 3/3), fine grained, poorly graded, rounded, dry, loose, trace organic material, dune sand.</p> <p>@ 1.5 to 3.0 ft bgs: dark yellowish brown (10YR 4/4), moist, trace silt.</p>		SP						1140 Start drilling.
	<p><u>sand</u>, black (10YR 2/1), fine grained, poorly graded, rounded, very moist, few silt, few organic material, alluvium.</p>		SM-SP						Groundwater encountered at 4.0 ft bgs. At 1745 groundwater level is at 3.75 ft bgs.
10	<p><u>silty sand</u>, dark brown (10YR 3/3), fine grained, poorly graded, rounded, wet, some silt, alluvium.</p> <p>@8 ft bgs: dark grayish brown (2.5Y 4/2).</p>		SM						
15									End drilling at 1230. Total depth at 12 ft bgs.
20									Install well casing to 12 ft bgs.

4.0 ft bgs Groundwater depth during drilling

4.21 ft bgs Groundwater depth after well development on: 5/9/01

TC Number: A246-02

TETRA TECH, INC.

Page 1 of 1

R:\Borlogs\MWells\RI_36Site 31\31-MW-12.ai pt 1 of 1 2/18/02jm